

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2004/004349

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H03M13/29 H03M13/41 H04L1/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H03M H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BICKERSTAFF M A ET AL: "A unified turbo/Viterbi channel decoder for 3GPP mobile wireless in 0.18- $\mu$ m CMOS" IEEE JOURNAL OF SOLID-STATE CIRCUITS IEEE USA, vol. 37, no. 11, November 2002 (2002-11), pages 1555-1564, XP002323657 ISSN: 0018-9200 paragraph '0III! figures 4,5,7	1-7
X	US 6 166 667 A (PARK ET AL) 26 December 2000 (2000-12-26) the whole document	1-7
X	EP 1 204 210 A (LUCENT TECHNOLOGIES INC) 8 May 2002 (2002-05-08) the whole document	1-7
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\* & \* document member of the same patent family

Date of the actual completion of the international search

9 May 2005

Date of mailing of the international search report

18/05/2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	FAN-MIN LI ET AL: "Triple-Mode MAP/VA Timing Analysis for Unified Convolutional/Turbo Decoder Design" SIGNAL PROCESSING SYSTEMS, 2004. SIPS 2004. IEEE WORKSHOP ON AUSTIN, TEXAS, USA 13-15 OCT. 2004, PISCATAWAY, NJ, USA,IEEE, 13 October 2004 (2004-10-13), pages 280-285, XP010743974 ISBN: 0-7803-8504-7 the whole document	1-3
P,A	EP 1 471 677 A (STMICROELECTRONICS N.V; STMICROELECTRONICS S.A) 27 October 2004 (2004-10-27) paragraph '0022! - paragraph '0027! paragraph '0113! - paragraph '0158! figures 13-15	1-7
P,A	KAI HUANG ET AL: "VLSI design of dual-mode Viterbi/turbo decoder for 3GPP" CIRCUITS AND SYSTEMS, 2004. ISCAS '04. PROCEEDINGS OF THE 2004 INTERNATIONAL SYMPOSIUM ON VANCOUVER, BC, CANADA 23-26 MAY 2004, PISCATAWAY, NJ, USA,IEEE, US, vol. 2, 23 May 2004 (2004-05-23), pages 773-776, XP010720451 ISBN: 0-7803-8251-X the whole document	1-7
P,A	CHIEN-CHING LIN ET AL: "A dual mode channel decoder for 3GPP2 mobile wireless communications" SOLID-STATE CIRCUITS CONFERENCE, 2004. ESSCIRC 2004. PROCEEDING OF THE 30TH EUROPEAN LEUVEN, BELGIUM 21-23 SEPT. 2004, PISCATAWAY, NJ, USA,IEEE, US, 21 September 2004 (2004-09-21), pages 483-486, XP010738582 ISBN: 0-7803-8480-6 the whole document	1-7
A	US 2003/018942 A1 (SEO SEUNG-WAN) 23 January 2003 (2003-01-23)	

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Information on patent family members

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